

#2

Annual Drinking Water Quality Report
(covering calendar year 2008)
Town of Hurlock Water Supply (Public Water System ID # 0090005)

The primary sources of our drinking water are 2 underground aquifers. An aquifer is sort of an underground river that is tapped by drilling a well and pumping the water to the surface for treatment.

Our water is pumped from 2 wells we refer to as wells 3 and 4. Well number 3 pumps from the Pleistocene Aquifer and is approximately 110 feet deep. Well number 4 pumps from the Piney Point Aquifer and is approximately 480 feet deep. We use gas chlorine for disinfection and we add granular soda ash for Ph adjustment.

In an attempt help protect the Town's water supply we have established a Wellhead Protection Area around the pumping station that supplies the majority of the Town's water. The larger the acreage of the protection area, the better protected the water supply will be. It is the express desire of the Town to increase the acreage of the Wellhead Protection Area when feasible to do so.

A "Source Water Assessment" has been completed for the Hurlock Water Supply. The "Source Water Assessment" helps determine the Town's water supply's susceptibility to contamination from outside sources. If any of our customers wish to view a copy of the "Source Water Assessment", please contact the Town Office to make the necessary arrangements.

If you have any questions about this report, or concerning your water utility, please contact Steve Willey at 410-943-4181. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of the regularly scheduled Town Meetings. They are held on the 2nd and 4th Monday each month, at 6:00 P.M. in the Hurlock Town Office located at 311 Charles Street in Hurlock, Maryland.

We're pleased to report that our drinking water quality satisfies all Federal and State requirements. The following report is provided in compliance with Federal Regulations. This report outlines the quality of our finished drinking water.

Definitions

In the following table(s) you will find many terms and abbreviations you might not be familiar with. To help you understand these terms we've provided you with the following definitions:

Non-detects (ND) - laboratory analysis indicates that the contaminant is not present

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in 2 years or a single penny in \$10,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water

Maximum contaminant level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology available.

Maximum contaminant level goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

The Hurlock Water Supply routinely monitors for contaminants in your drinking water according to Federal and State laws. The following tables show the results of our monitoring for the period January 1st, 2008 thru December 31st, 2008.

Test Results

The Town of Hurlock test for, as required by applicable State and Federal regulations, over 75 possible contaminants in your drinking water. If you desire to view the entire list of contaminants we test for please contact the Town Office.

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Unregulated Contaminant Detected

The following contaminants were detected in the water. While we are required to test for numerous unregulated contaminants, there currently are no Federal or State guidelines regulating the amount of this contaminant allowed. However, we are still required to report to you the detection of this contaminant.

<u>Contaminant</u>	<u>Level Detected</u>	<u>Unit of Measurement</u>
Sodium	82.4	ppm

Detected contaminants NOT in violation of the MCL

The Town did find some regulated contaminants present in the water system at levels well below the maximum allowable level (MCL) which is determined safe by the EPA. These contaminants are shown below, along with the MCL and the MCLG for each one detected.

<u>Contaminant</u>	<u>Level Detected</u>	<u>Unit of Measurement</u>	<u>MCL</u>	<u>MCLG</u>	<u>Likely source of contaminant</u>
Fluoride	.38	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth
Selenium	.003	ppm	.05	.05	Erosion of natural deposits
Barium	.14	ppm	2	2	Erosion of natural deposits
Gross beta	5	pCi/L	50	0	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as beta radiation
Gross alpha	3	pCi/L	15	0	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation
Radium 226 and Radium 228 (combined)	.2	pCi/L	5	0	Erosion of natural deposits
Nitrate **	5.21	ppm	10	10	Runoff from fertilizer use, erosion of natural deposits
TTHM (total trihalomethanes)	.00375	ppm	100	n/a	By-product of drinking water chlorination

**** "Nitrate in drinking water at levels above 10 ppm is a health risk for infants less than 6 months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask for advice from your health care provider. As a precaution we always notify physicians and health care providers in this area if there is ever a higher than normal level of nitrates in the water supply, even when that level does not constitute a violation of the allowable standards."**

Lead and Copper

<u>Contaminant</u>	<u>Level Detected</u>	<u>Unit of Measurement</u>	<u>AL</u>	<u>MCLG</u>	<u>Likely source of contaminant</u>
Copper*	.1001	ppm	1.3	1.3	Leaching and gradual deterioration of household plumbing (copper pipes)
Lead *	.0033	ppm	.015	0	Leaching and gradual deterioration of household plumbing (solder joints)

* No site tested for lead and copper in 2008 (date of last required test) exceeded the copper or lead action levels.

As you can see by the table, our system had no violations in calendar year 2008. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels. To experience the health effects for many of the regulated contaminants, a person would have to drink 2 liters of water every day containing a contaminant at the MCL for a lifetime to have a one-in-a-million chance of developing adverse health effects cause by the contaminant.

The presence of some contaminants in drinking water is unavoidable but we make every effort to keep our water at or below the levels specified by law as being safe for consumption. All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health risk can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general public. Immuno-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS, or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at 1-800-426-4791.

*****Complete copies of this Consumer Confidence Report are available free of charge at the Hurlock Town office during normal business hours.**

Hurlock Town Office - 311 Charles Street
PO Box 327 – Hurlock MD 21643
Phone - 410-943-4181
Fax- 410-943-8556

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The Mayor and Council of Hurlock

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April 17, 2009

Mark Jacobs
MDE - Water Supply Program
1800 Washington Blvd. - STE 450
Baltimore MD 21230-1708

Dear Mr. Jacobs,

Please find enclosed two items:

1. Copy of ad that will be placed in the local newspaper advising water consumers of the Town of Hurlock's intent to publish the calendar year 2008 CCR in the local newspaper.
2. Copy of CCR that will be published in local newspaper and be available for "handout" upon request at the Hurlock Town Office. Additionally the CCR will be posted on the Town of Hurlock's website www.hurlockmd.net.

Please advise me, as soon as possible, if the items I have submitted are acceptable and adequate to satisfy all current regulations.

Sincerely,



Stephen M. Willey
swilley@shorecable.com
Water Superintendent (Cert. # 7320)
Town of Hurlock



#1

TOWN OF HURLOCK
PUBLIC NOTICE

As permitted by State regulations, the Town of Hurlock will not be mailing Consumer Confidence Reports to our water customers. We will be publishing the results in this newspaper at a later date. Complete copies of the Consumer Confidence Report covering calendar year 2008 will be available at the Hurlock Town Office upon request or by visiting the Town of Hurlock's website at www.hurlockmd.net. Please call the Town Office at 410-943-4181 if you require any additional information.

MAYOR AND TOWN COUNCIL OF HURLOCK

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